



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CALIBRATION LABORATORY
A Nationally Accredited Laboratory

737 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010657
CERTIFICATION DATE: December 9, 2014
DATE RECERTIFICATION DUE: June 7, 2015

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

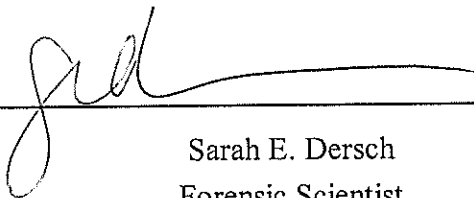
0.020 ± 0.004 g/210 L

0.150 ± 0.007 g/210 L

0.080 ± 0.004 g/210 L

0.250 ± 0.007 g/210 L

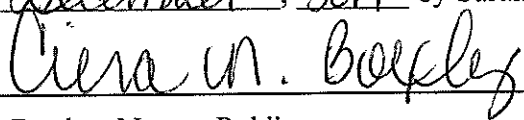
The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.



Sarah E. Dersch
Forensic Scientist

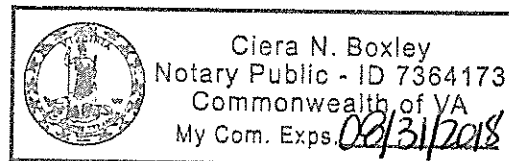
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 10th day of
December, 2014 by Sarah E. Dersch



Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
12/9/2013 To 12/9/2014

HMS
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Instrument Serial Number:	010657	As of 10-Dec-14
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Maintenance Date	Certification Date	Technician Initials	Remarks
09-Dec-14	09-Dec-14	HMS (18910)	CERTIFIED
24-Jun-14	24-Jun-14	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
15-Jan-14	15-Jan-14	HMS (18910)	REPLACED PRINTER RIBBON, CERTIFIED, REPLACED DRY GAS STANDARD.

INTOX EC/IR II
Quality Assurance Worksheet

Handwritten initials/signature

Instrument Serial Number **010657** Worksheet Start Date **12/9/2014**

Location **Quantico Marine Corps Base**

Address **2043 Barnett Ave., Quantico, VA 22134**

DFS Technician **Heather Stanton** License No. **18910**

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) **758** Reference Barometer (mm HG) **760**

Reference Barometer(RB)Serial # **009113** RB Calibration Due **4/28/2015**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.304
0.300	0.299	0.290	0.307	Sample 2	0.304
Precision		sample min	sample max	Sample 3	0.304
0		0.304	0.304		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

Dry gas standard Lot No. (with tank no.) **AG406301-30**

- ☐ Replaced dry gas standard (+O-ring)
- ☐ Installed at Location
- ☐ Removed to DFS-Central

Supplies

Mouthpieces

Certificates of Analysis

Operator Worksheet

Other:

50

2 pads

Notes:

Blank area for notes

Instrument Serial Number

010657

Certification Date

12/9/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.252
0.250	0.249	0.241	0.256	Sample 2	0.251
Precision		sample min	sample max	Sample 3	0.251
0.001		0.251	0.252		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.151
0.150	0.150	0.145	0.154	Sample 2	0.151
Precision		sample min	sample max	Sample 3	0.151
0		0.151	0.151		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

12/10/14

Issuing Analyst



Date

12/10/14

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010657 Test Number: 521

Test Date: 12/09/2014 Test Time: 11:18 EST

Technician Initials: HMS

Dry Gas Target: 0.249

Lot Number: 1611425014-03 Exp Date: 07/05/2016

Tank Pressure: 365 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:19
BLK	0.000	11:20
CHK	0.252	11:20
BLK	0.000	11:22
CHK	0.251	11:23
BLK	0.000	11:24
CHK	0.251	11:25
BLK	0.000	11:27

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
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Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010657 Test Number: 522

Test Date: 12/09/2014 Test Time: 11:29 EST

Technician Initials: HMS

Dry Gas Target: 0.150

Lot Number: 1611415013-01 Exp Date: 07/05/2016

Tank Pressure: 566 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:29
BLK	0.000	11:30
CHK	0.151	11:31
BLK	0.000	11:32
CHK	0.151	11:33
BLK	0.000	11:35
CHK	0.151	11:35
BLK	0.000	11:37

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

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fnd

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010657 Test Number: 523

Test Date: 12/09/2014 Test Time: 11:38 EST

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 3441308012-01 Exp Date: 01/01/2016

Tank Pressure: 482 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:39
BLK	0.000	11:40
CHK	0.080	11:40
BLK	0.000	11:42
CHK	0.080	11:43
BLK	0.000	11:44
CHK	0.080	11:45
BLK	0.000	11:46

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
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Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010657 Test Number: 524

Test Date: 12/09/2014 Test Time: 11:48 EST

Technician Initials: *HMS*

Dry Gas Target: 0.020

Lot Number: 3441302011-02 Exp Date: 01/01/2016

Tank Pressure: 193 psi Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	11:49
BLK	0.000	11:50
CHK	0.019	11:51
BLK	0.000	11:52
CHK	0.019	11:53
BLK	0.000	11:54
CHK	0.019	11:55
BLK	0.000	11:56

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010657 Test Number: 525

Test Date: 12/09/2014 Test Time: 11:58 EST

Dry Gas Target: 0.299

Lot Number: AG428003-11 Exp Date: 10/07/2016

Tank Pressure: 276 psi Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:59
CHK	0.304	12:00
BLK	0.000	12:01
CHK	0.304	12:02
BLK	0.000	12:04
CHK	0.304	12:05

Test Status: *Success*

Calibration CRC: F19807D8

WMS
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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010657 Test Number: 526

Test Date: 12/09/2014 Test Time: 12:07 EST

Dry Gas Target: 0.100

Lot Number: AG406301-30 Exp Date: 03/04/2016

Tank Pressure: 1046 psi Barometric Pressure: 757 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	12:08
CHK	0.100	12:09
BLK	0.000	12:11
CHK	0.100	12:11
BLK	0.000	12:13
CHK	0.100	12:14

Test Status: Success

Calibration CRC: F19807D8




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

4/10/15
Jed

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 12/09/2014
TEST EQUIPMENT NUMBER 010657		

RESULTS: TIME SAMPLE TAKEN 12:21 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 09 Dec 2014 at 12:29

rd
HMS

Test Results

Instrument Serial Number 010657

Test # 000527 Subject Test

Test Location 1 Department of
Test Date 09 Dec 2014

Test Location 2 Forensic Science
Test Time 12:15
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab
Card Serial Number 118910
Subject's Last Name INSTRUMENT
Subject's Middle Initial
Driver's License Number

Operator's First Name HEATHER

Operator's Middle Initial M

License Number 18910

Effective Date 10/01/2014

Expiration Date 10/01/2016

Subject's First Name TEST

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 09 Dec 2014 End Time 12:23

Result Time 12:21

Result Date 09 Dec 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:15

Data Type BLK

Sample Value 0.000

Sample Time 12:16

Data Type CHK

Sample Value 0.099

Sample Time 12:17

Data Type BLK

Sample Value 0.000

Sample Time 12:18

Data Type SUBJ

Sample Value 0.000

Sample Time 12:19

Data Type BLK

Sample Value 0.000

Sample Time 12:20

Data Type SUBJ

Sample Value 0.000

Sample Time 12:21

Data Type BLK

Sample Value 0.000

Sample Time 12:22

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG406301-30

Standard Expiration Date 03/04/2016

Tank Pressure 1036

Barometric Pressure 757 mmHg

Blow Sample Number 1 Blow Duration 3.21 sec

Blow Volume 1808 cc End-of-Blow Time 12:19

Blow Sample Number 2 Blow Duration 3.39 sec

Blow Volume 1862 cc End-of-Blow Time 12:21

Tamper Evident Stamp 9c4a7a73

Test Status Code 0

Test Status Success